

6



OIPE

RAW SEQUENCE LISTING

DATE: 09/16/2002

PATENT APPLICATION: US/10/027,219

TIME: 15:11:15

Input Set : N:\Crf3\RULE60\10027219.raw

Output Set: N:\CRF4\09162002\J027219.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Vidal et al., Marc

7 (ii) TITLE OF INVENTION: REVERSE TWO-HYBRID SYSTEMS

9 (iii) NUMBER OF SEQUENCES: 19

11 (iv) CORRESPONDENCE ADDRESS:

12 (A) ADDRESSEE: Fish & Richardson P.C.

13 (B) STREET: 601 13th Street, NW

14 (C) CITY: Washington

15 (D) STATE: DC

16 (E) COUNTRY: USA

17 (F) ZIP: 20005

19 (v) COMPUTER READABLE FORM:

20 (A) MEDIUM TYPE: Floppy disk

21 (B) COMPUTER: IBM PC compatible

22 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

23 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

25 (vi) CURRENT APPLICATION DATA:

C--> 26 (A) APPLICATION NUMBER: US/10/027,219

C--> 27 (B) FILING DATE: 21-Dec-2001

28 (C) CLASSIFICATION:

30 (vii) PRIOR APPLICATION DATA:

31 (A) APPLICATION NUMBER: US/08/959,536

32 (B) FILING DATE:

34 (A) APPLICATION NUMBER: US 08/420,525

35 (B) FILING DATE: 11-APR-1995

37 (viii) ATTORNEY/AGENT INFORMATION:

38 (A) NAME: Ellison, Eldora L.

39 (B) REGISTRATION NUMBER: 39,967

40 (C) REFERENCE/DOCKET NUMBER: 00786/239001

42 (ix) TELECOMMUNICATION INFORMATION:

43 (A) TELEPHONE: 202/783-5070

44 (B) TELEFAX: 202/782-2331

47 (2) INFORMATION FOR SEQ ID NO: 1:

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 60 base pairs

51 (B) TYPE: nucleic acid

52 (C) STRANDEDNESS: single

53 (D) TOPOLOGY: linear

59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

61 GAAGGTTAAT GTGGCTGTGG TTTCAGGGTC CATAAAGCTT GTCCTGGAAG TCTCATGGAG

60

64 (2) INFORMATION FOR SEQ ID NO: 2:

66 (i) SEQUENCE CHARACTERISTICS:

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,219

DATE: 09/16/2002

TIME: 15:11:15

Input Set : N:\Crif3\RULE60\10027219.raw

Output Set: N:\CRF4\09162002\J027219.raw

```

67      (A) LENGTH: 34 base pairs
68      (B) TYPE: nucleic acid
69      (C) STRANDEDNESS: single
70      (D) TOPOLOGY: linear
76      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
78 TCAGGATCCC TAGGTCCTT TGTTACTTCT TCCG      34
80 (2) INFORMATION FOR SEQ ID NO: 3:
82      (i) SEQUENCE CHARACTERISTICS:
83          (A) LENGTH: 23 base pairs
84          (B) TYPE: nucleic acid
85          (C) STRANDEDNESS: single
86          (D) TOPOLOGY: linear
92      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
94 GCGAGGCATA TTTATGGTGA AGG      23
96 (2) INFORMATION FOR SEQ ID NO: 4:
98      (i) SEQUENCE CHARACTERISTICS:
99          (A) LENGTH: 22 base pairs
100         (B) TYPE: nucleic acid
101         (C) STRANDEDNESS: single
102         (D) TOPOLOGY: linear
108      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
110 CATTTCCGTG CAAGGTACTA AC      22
112 (2) INFORMATION FOR SEQ ID NO: 5:
114      (i) SEQUENCE CHARACTERISTICS:
115          (A) LENGTH: 54 base pairs
116          (B) TYPE: nucleic acid
117          (C) STRANDEDNESS: single
118          (D) TOPOLOGY: linear
124      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
126 AAGCTTATGC CCAAGAAGAA GCGGAAGGTC TCGAGGTCGA CCCC GGGAAT TCAG      54
128 (2) INFORMATION FOR SEQ ID NO: 6:
130      (i) SEQUENCE CHARACTERISTICS:
131          (A) LENGTH: 12 amino acids
132          (B) TYPE: amino acid
133          (C) STRANDEDNESS: Not Relevant
134          (D) TOPOLOGY: linear
136      (ii) MOLECULE TYPE: peptide
141      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
143      Met Pro Lys Lys Lys Arg Lys Val Ser Arg Ser Thr
144      1          5          10
146 (2) INFORMATION FOR SEQ ID NO: 7:
148      (i) SEQUENCE CHARACTERISTICS:
149          (A) LENGTH: 106 base pairs
150          (B) TYPE: nucleic acid
151          (C) STRANDEDNESS: single
152          (D) TOPOLOGY: linear
158      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
160 GTATCGTCGA GGTGACCCC GGAATTGAG ATCTACTAGT GCGGCCGCTA AGTAAGTAAG      60
162 ACGTCGAGCT CTAAGTAAGT AACGGCCGCC ACCGCGGTGG AGCTTT      106

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,219

DATE: 09/16/2002

TIME: 15:11:15

Input Set : N:\Crf3\RULE60\10027219.raw

Output Set: N:\CRF4\09162002\J027219.raw

164 (2) INFORMATION FOR SEQ ID NO: 8:

166 (i) SEQUENCE CHARACTERISTICS:

167 (A) LENGTH: 12 amino acids

168 (B) TYPE: amino acid

169 (C) STRANDEDNESS: Not Relevant

170 (D) TOPOLOGY: linear

172 (ii) MOLECULE TYPE: peptide

177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

179 Val Ser Ser Arg Ser Thr Pro Gly Ile Gln Ile Tyr

180 1 5 10

182 (2) INFORMATION FOR SEQ ID NO: 9:

184 (i) SEQUENCE CHARACTERISTICS:

185 (A) LENGTH: 106 base pairs

186 (B) TYPE: nucleic acid

187 (C) STRANDEDNESS: single

188 (D) TOPOLOGY: linear

194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

196 AAAGAGGGTG GGTGACCCC GGGAATTCAG ATCTACTAGT GCGGCCGCTA AGTAAGTAAG 60

198 ACGTCGAGCT CTAAGTAAGT AACGGCCGCC ACCGCGGTGG AGCTTT 106

200 (2) INFORMATION FOR SEQ ID NO: 10:

202 (i) SEQUENCE CHARACTERISTICS:

203 (A) LENGTH: 12 amino acids

204 (B) TYPE: amino acid

205 (C) STRANDEDNESS: Not Relevant

206 (D) TOPOLOGY: linear

208 (ii) MOLECULE TYPE: peptide

213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

215 Lys Glu Gly Gly Ser Thr Pro Gly Ile Gln Ile Tyr

216 1 5 10

218 (2) INFORMATION FOR SEQ ID NO: 11:

220 (i) SEQUENCE CHARACTERISTICS:

221 (A) LENGTH: 18 amino acids

222 (B) TYPE: amino acid

223 (C) STRANDEDNESS: Not Relevant

224 (D) TOPOLOGY: linear

226 (ii) MOLECULE TYPE: peptide

231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

233 Gln Ile Asn Leu Lys Ser His Ser Gly Pro Ile His Val Leu Leu Ile

234 1 5 10 15

236 Asn Lys

239 (2) INFORMATION FOR SEQ ID NO: 12:

241 (i) SEQUENCE CHARACTERISTICS:

242 (A) LENGTH: 18 amino acids

243 (B) TYPE: amino acid

244 (C) STRANDEDNESS: Not Relevant

245 (D) TOPOLOGY: linear

247 (ii) MOLECULE TYPE: peptide

252 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

254 Gln Ile His Leu Lys Ser Val Ser Gly Pro Ile Glu Val Leu Leu Val

RAW SEQUENCE LISTING

DATE: 09/16/2002

PATENT APPLICATION: US/10/027,219

TIME: 15:11:15

Input Set : N:\Crif3\RULE60\10027219.raw

Output Set: N:\CRF4\09162002\J027219.raw

```

255      1          5          10          15
257      Asn Lys
260 (2) INFORMATION FOR SEQ ID NO: 13:
262      (i) SEQUENCE CHARACTERISTICS:
263          (A) LENGTH: 18 amino acids
264          (B) TYPE: amino acid
265          (C) STRANDEDNESS: Not Relevant
266          (D) TOPOLOGY: linear
268      (ii) MOLECULE TYPE: peptide
273      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
275      Gln Ile His Leu Ala Ser Thr Gln Gly Pro Ile Glu Val Tyr Leu Cys
276      1          5          10          15
278      Pro Glu
281 (2) INFORMATION FOR SEQ ID NO: 14:
283      (i) SEQUENCE CHARACTERISTICS:
284          (A) LENGTH: 18 amino acids
285          (B) TYPE: amino acid
286          (C) STRANDEDNESS: Not Relevant
287          (D) TOPOLOGY: linear
289      (ii) MOLECULE TYPE: peptide
294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
296      Gln Ile Tyr Leu Lys Ser Thr Gln Gly Pro Ile Glu Val Tyr Leu Cys
297      1          5          10          15
299      Pro Glu
302 (2) INFORMATION FOR SEQ ID NO: 15:
304      (i) SEQUENCE CHARACTERISTICS:
305          (A) LENGTH: 18 amino acids
306          (B) TYPE: amino acid
307          (C) STRANDEDNESS: Not Relevant
308          (D) TOPOLOGY: linear
310      (ii) MOLECULE TYPE: peptide
315      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
317      Gln Ile Ser Leu Lys Ser Lys Gln Gly Pro Ile Asp Val Phe Leu Cys
318      1          5          10          15
320      Pro Glu
323 (2) INFORMATION FOR SEQ ID NO: 16:
325      (i) SEQUENCE CHARACTERISTICS:
326          (A) LENGTH: 18 amino acids
327          (B) TYPE: amino acid
328          (C) STRANDEDNESS: Not Relevant
329          (D) TOPOLOGY: linear
331      (ii) MOLECULE TYPE: peptide
336      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
338      Gln Thr Ser Leu Lys Ser Lys Gln Gly Pro Ile Asp Val Phe Leu Cys
339      1          5          10          15
341      Pro Glu
344 (2) INFORMATION FOR SEQ ID NO: 17:
346      (i) SEQUENCE CHARACTERISTICS:
347          (A) LENGTH: 18 amino acids

```

RAW SEQUENCE LISTING

DATE: 09/16/2002

PATENT APPLICATION: US/10/027,219

TIME: 15:11:15

Input Set : N:\Crf3\RULE60\10027219.raw

Output Set: N:\CRF4\09162002\J027219.raw

348 (B) TYPE: amino acid
349 (C) STRANDEDNESS: Not Relevant
350 (D) TOPOLOGY: linear
352 (ii) MOLECULE TYPE: peptide
357 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
359 Gln Ile Ser Leu Lys Ser Lys Pro Gly Pro Ile Gly Val Phe Leu Cys
360 1 5 10 15
362 Pro Glu
365 (2) INFORMATION FOR SEQ ID NO: 18:
367 (i) SEQUENCE CHARACTERISTICS:
368 (A) LENGTH: 18 amino acids
369 (B) TYPE: amino acid
370 (C) STRANDEDNESS: Not Relevant
371 (D) TOPOLOGY: linear
373 (ii) MOLECULE TYPE: peptide
378 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
380 Gln Thr Ser Leu Lys Ser Lys Gln Gly Pro Ile Asp Val Phe Leu Cys
381 1 5 10 15
383 Pro Glu
386 (2) INFORMATION FOR SEQ ID NO: 19:
388 (i) SEQUENCE CHARACTERISTICS:
389 (A) LENGTH: 18 amino acids
390 (B) TYPE: amino acid
391 (C) STRANDEDNESS: Not Relevant
392 (D) TOPOLOGY: linear
394 (ii) MOLECULE TYPE: peptide
399 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
401 Gln Asn Ser Leu Lys Ser Lys Gln Gly Pro Ile Asp Val Phe Leu Cys
402 1 5 10 15
404 Pro Glu

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/027,219

DATE: 09/16/2002
TIME: 15:11:16

Input Set : N:\Crf3\RULE60\10027219.raw
Output Set: N:\CRF4\09162002\J027219.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 64
Seq#:2; Line(s) 80
Seq#:3; Line(s) 96
Seq#:4; Line(s) 112
Seq#:5; Line(s) 128
Seq#:6; Line(s) 146
Seq#:7; Line(s) 164
Seq#:8; Line(s) 182
Seq#:9; Line(s) 200
Seq#:10; Line(s) 218
Seq#:11; Line(s) 239
Seq#:12; Line(s) 260
Seq#:13; Line(s) 281
Seq#:14; Line(s) 302
Seq#:15; Line(s) 323
Seq#:16; Line(s) 344
Seq#:17; Line(s) 365
Seq#:18; Line(s) 386

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/027,219

DATE: 09/16/2002

TIME: 15:11:16

Input Set : N:\Crf3\RULE60\10027219.raw

Output Set: N:\CRF4\09162002\J027219.raw

L:26 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:27 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]